

CLAIMS

1. A telephone for displaying a local time of a locality of a callee, comprising:

an acquiring unit operable to acquire region

5 information relating to the locality of the callee;

a calculating unit operable to calculate the local time using the region information; and

a display unit operable to display the local time.

10 2. The telephone of claim 1 further comprising:

a storage unit operable to store the acquired region information, wherein

the calculating unit calculates the local time using the region information stored in the storage unit.

15

3. The telephone of claim 1, wherein

the region information is transmitted from a telephone of the callee represented by a modulation signal in an audible frequency band, and

20 the acquiring unit receives the modulation signal, and acquires the region information by decoding the received modulation signal.

4. The telephone of claim 1, wherein

25 the region information is transmitted from a telephone of the callee represented by an electronic mail, and

the acquiring unit acquires the region information by receiving the electronic mail.

5. The telephone of claim 1, wherein  
the region information is recorded in a location  
register that manages a movement of the telephone of the  
5 callee in a telephone network, and

the acquiring unit acquires the region information from  
the location register via the telephone network.

6. The telephone of claim 5, wherein

10 the acquiring unit acquires the region information as  
a reply to a callout to the telephone of the callee, and  
the telephone further comprises:

a reception unit operable to receive a user operation  
after the display of the local time, the operation being one  
15 of approving and canceling a call; and

an instructing unit operable to instruct the telephone  
network to one of approve and cancel the call, upon receipt  
of the user operation.

20 7. A telephone for use in a plurality of time zones,  
comprising:

an acquiring unit operable to acquire region  
information relating to a locality of the telephone; and  
a notifying unit operable to notify the acquired region

25 information to another telephone.

8. The telephone of claim 7, wherein the notifying unit  
performs the notification by transmitting the region

information to the other telephone represented by a modulation signal in an audible frequency band.

9. The telephone of claim 7, wherein the notifying unit  
5 performs the notification by transmitting the region information to the other telephone represented by an electronic mail.

10. A telephone network for managing a movement of a telephone,  
10 comprising:

a location registration unit operable to record region information relating to a locality of the telephone;

15 a reception unit operable to receive from another telephone, specification information specifying the telephone; and

a notifying unit operable to notify the region information to the other telephone, upon receipt of the specification information.

20 11. The telephone network of claim 10, wherein  
the reception unit receives the specification information as a callout request to the telephone, and  
the telephone network further comprises:

25 a waiting unit operable to wait for an instruction from the other telephone after the notification of the region information, the instruction being one of approving and canceling a call; and

a call unit operable to call the telephone if the

instruction approving the call is received or if a predetermined time period elapses without receiving the instruction canceling the call.

- 5      12. A telephone system comprising a first telephone for use in a plurality of time zones, and a second telephone for displaying a local time of a locality of the first telephone,  
          the first telephone including:  
            a first acquiring unit operable to acquire region  
10     information relating to a locality of the first telephone;  
          and  
            a notifying unit operable to notify the region information to the second telephone, and  
          the second telephone including:  
15     a second acquiring unit operable to acquire the region information from the first telephone;  
            a calculating unit operable to calculate the local time using the region information; and  
            a display unit operable to display the local time.

20

13. A telephone system comprising a telephone network for managing a movement of a first telephone, and a second telephone for displaying a local time of a locality of the first telephone,  
25     the telephone network including:  
            a location registration unit operable to record region information relating to the locality of the first telephone;  
            a reception unit operable to receive from the second

telephone, specification information specifying the first telephone; and

a notifying unit operable to notify the region information to the second telephone, upon receipt of the  
5 specification information, and

the second telephone including:

an acquiring unit operable to acquire the region information from the telephone network;

a calculating unit operable to calculate the local time  
10 using the region information; and

a display unit operable to display the local time.

14. The telephone system of claim 13, wherein

the reception unit receives the specification  
15 information as a callout request to the first telephone, and the telephone network further comprises:

a waiting unit operable to wait for an instruction from the second telephone after the notification of the region information, the instruction being one of approving and  
20 canceling a call; and

a call unit operable to call the first telephone if the instruction approving the call is received or if a predetermined time period elapses without receiving the instruction canceling the call.

25

15. A method for displaying a local time of a callee performed in a telephone, comprising the steps of:

acquiring region information relating to a locality of

the callee;

calculating the local time using the region information; and

displaying the local time.

5

16. The method of claim 15 comprising the further step of storing the region information, wherein the local time is calculated using the stored region information.

10 17. A method for notifying a locality performed in a telephone for use in a plurality of time zones, comprising the steps of:

acquiring region information relating to a locality of the telephone; and

15 notifying the region information to another telephone.

18. A method for notifying a locality of a telephone performed in a telephone network that manages a movement of the telephone, comprising the steps of:

20 recording region information relating to the locality of the telephone;

receiving from another telephone, specification information specifying the telephone; and

notifying the region information to the other telephone,

25 upon receipt of the specification information.

19. The method of claim 18, wherein

the specification information is received as a callout

request to the telephone, and

the method comprises the further steps of:

waiting for an instruction from the other telephone after the notification of the region information, the

5 instruction being one of approving and canceling a call; and

calling the telephone if the instruction approving the call is received or a predetermined time period elapses without receiving the instruction canceling the call.

10 20. A method for displaying a local time of a locality of a first telephone performed in a telephone system that includes the first telephone, which is for use in a plurality of time zones, and a second telephone, comprising the steps of:

15 acquiring, in the first telephone, region information relating to the locality of the first telephone;

notifying the region information from the first telephone to the second telephone;

acquiring, in the second telephone, the region 20 information from the first telephone;

calculating, in the second telephone, the local time using the region information; and

displaying, in the second telephone, the local time.

25 21. A method for displaying a local time of a locality of a first telephone performed in a telephone system that includes a second telephone and a telephone network for managing a movement of the first telephone, comprising the

steps of:

recording, in the telephone network, region information relating to the locality of the first telephone;

5 receiving, in the telephone network, specification information specifying the first telephone from the second telephone;

notifying the region information from the telephone network to the second telephone, upon receipt of the specification information;

10 acquiring, in the second telephone, the region information from the telephone network;

calculating, in the second telephone, the local time using the region information; and

displaying, in the second telephone, the local time.

15

22. The method of claim 21, wherein

the specification information is received as a callout request to the first telephone, and

the method comprises the further steps of:

20 waiting, in the telephone network, for an instruction from the second telephone after the notification of the region information, the instruction being one of approving and canceling a call; and

25 calling, in the telephone network, the first telephone if the instruction approving the call is received or a predetermined time period elapses without receiving the instruction canceling the call.

23. A machine-executable computer program for displaying a local time of a callee in a telephone, the computer program causing a computer to execute the steps of:

acquiring region information relating to a locality of  
5 the callee;

calculating the local time using the region information; and

displaying the local time.

10 24. The computer program of claim 23 causes the computer to execute the further step of storing the region information, wherein the local time is calculated using the stored region information.

15 25. A machine-executable computer program for notifying a locality in a telephone for use in a plurality of time zones, the computer program causing a computer to execute the steps of:

acquiring region information relating to a locality of  
20 telephone; and

notifying the region information to another telephone.

26. A machine-executable computer program for notifying a locality of a telephone in a telephone network that manages  
25 a movement of the telephone, the computer program causing a computer to execute the steps of:

recording region information relating to the locality of the telephone;

receiving from another telephone, specification information specifying the telephone; and

notifying the region information to the other telephone, upon receipt of the specification information.

5

27. The computer program of claim 26, wherein the specification information is received as a callout request to the telephone, and

10 further steps of:

waiting for an instruction from the other telephone after the notification of the region information, the instruction being one of approving and canceling a call; and calling the telephone if the instruction approving the 15 call is received or a predetermined time period elapses without receiving the instruction canceling the call.

28. A machine-executable computer program for displaying a local time of a locality of a first telephone in a telephone 20 system that includes the first telephone, which is for use in a plurality of time zones, and a second telephone, the computer program causing a computer to execute the steps of:

acquiring, in the first telephone, region information relating to the locality of the first telephone;

25 notifying the region information from the first telephone to the second telephone;

acquiring, in the second telephone, the region information from the first telephone;

calculating, in the second telephone, the local time using the region information; and displaying, in the second telephone, the local time.

5 29. A machine-executable computer program for displaying a local time of a locality of a first telephone in a telephone system that includes a second telephone and a telephone network for managing a movement of the first telephone, the computer program causing a computer to execute the steps of:

10 recording, in the telephone network, region information relating to the locality of the first telephone; receiving, in the telephone network, specification information specifying the first telephone from the second telephone;

15 notifying the region information from the telephone network to the second telephone, upon receipt of the specification information;

acquiring, in the second telephone, the region information from the telephone network;

20 calculating, in the second telephone, the local time using the region information; and displaying, in the second telephone, the local time.

30. The computer program of claim 29, wherein

25 the specification information is received as a callout request to the first telephone, and

the computer program causes the computer to execute the further steps of:

waiting, in the telephone network, for an instruction from the second telephone after the notification of the region information, the instruction being one of approving and canceling a call; and

- 5 calling, in the telephone network, the first telephone if the instruction approving the call is received or a predetermined time period elapses without receiving the instruction canceling the call.